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(54) Title: THIOPHENE DERIVATIVE PPAR MODULATORS

(57) Abstract: The present invention is directed to compounds represented by the following structural formula, Formula I: and stereoisomers, pharmaceutically acceptable salts, solvates and hydrates thereof, wherein: (a) X is selected from the group consisting of O, S, S(O)<sub>2</sub>, N, and a bond; (b) U is an aliphatic linker wherein one carbon atom of the aliphatic linker may be replaced with O, NH or S, and wherein such aliphatic linker is optionally substituted with R<sub>30</sub>; (c) Y is selected from the group consisting of C, O, S, NH and a single bond; and (d) E is C(R<sub>3</sub>)(R<sub>4</sub>)A or A.